

Abstract

The subject of the invention are formulations not containing chaotropic components for isolating nucleic acids with binding to a solid phase, in particular of DNA, from optional complex starting materials and quantities containing a lysis/binding buffer system which comprises at least one antichaotropic salt component, a solid phase and wash and elution buffers known as such. The lysis/binding buffer system may be an aqueous solution or a solid formulation in reaction vessels ready for use. All carriers used for isolation by means of chaotropic reagents, preferably glass fiber mats, glass membranes, silica carriers, ceramics, zeolites or materials showing negatively functionalised surfaces or chemically modified surfaces which may be converted to a negative charge potential may serve as a solid phase.

Furthermore, the subject of the invention is a method for isolating nucleic acids, in particular DNA, from optional complex starting materials with using the formulations according to the invention which is characterized by the lysis of the starting material, binding of nucleic acids to a carrier, washing of the nucleic acids bound to the carrier and elution of nucleic acids

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